

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF062219\
 Data File : BF115135.D
 Acq On : 22 Jun 2019 21:43
 Operator : HP/JU
 Sample : K3159-05 2X
 Misc :
 ALS Vial : 25 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 OR-02-061919-A

Quant Time: Jun 25 15:16:21 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF062119.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Jun 24 04:21:29 2019
 Response via : Initial Calibration

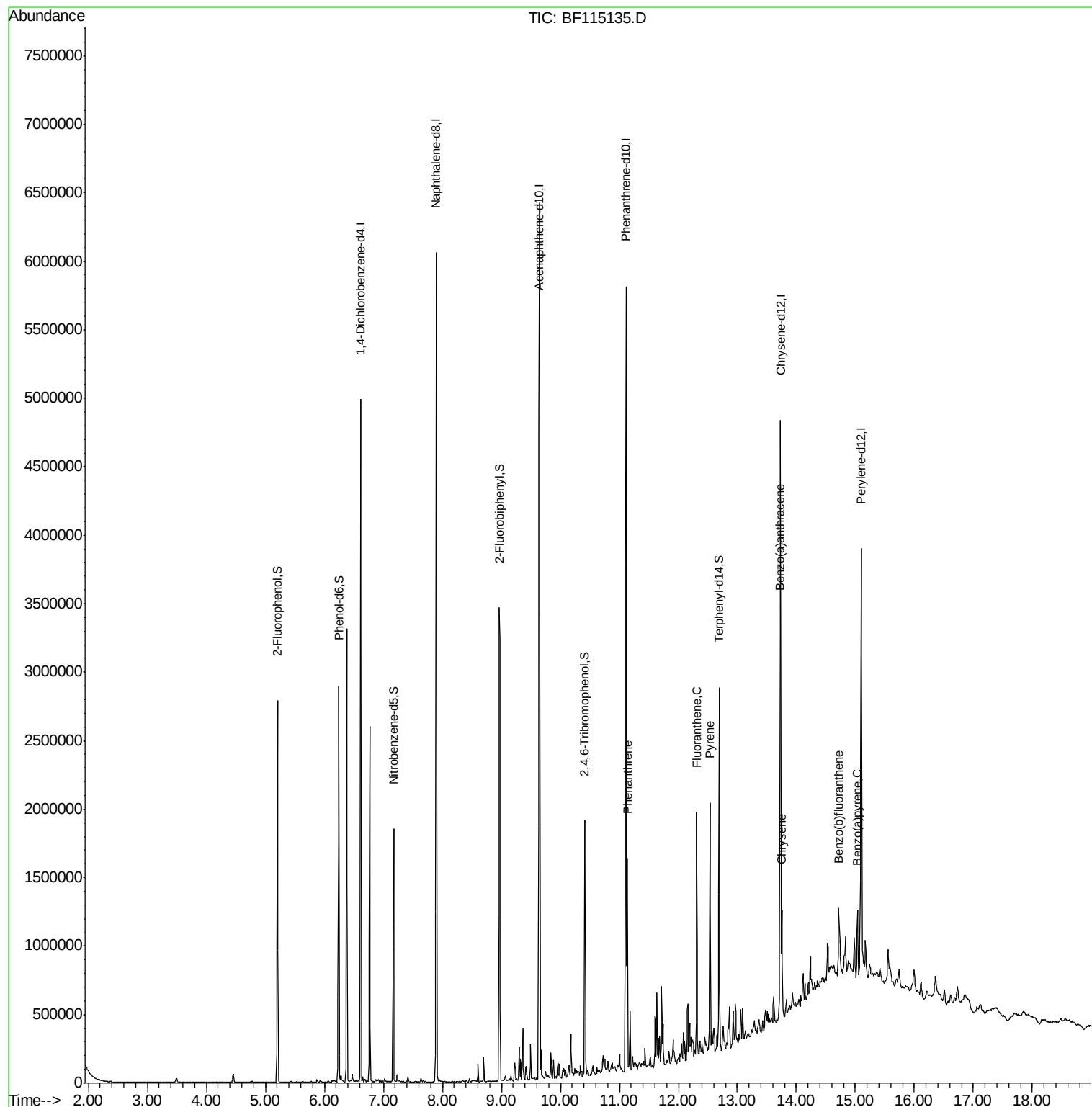
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.61	152	739924	20.00	ng	0.00
21) Naphthalene-d8	7.90	136	2658760	20.00	ng	0.00
39) Acenaphthene-d10	9.64	164	1311437	20.00	ng	0.00
64) Phenanthrene-d10	11.11	188	2244040	20.00	ng	0.00
76) Chrysene-d12	13.74	240	1535751	20.00	ng	-0.01
87) Perylene-d12	15.10	264	1435657	20.00	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.21	112	808735	16.87	ng	0.00
7) Phenol-d6	6.24	99	1017567	17.48	ng	-0.01
23) Nitrobenzene-d5	7.17	82	581164	13.45	ng	-0.01
42) 2,4,6-Tribromophenol	10.42	330	216596	15.66	ng	-0.01
45) 2-Fluorobiphenyl	8.97	172	1067221	13.82	ng	-0.02
79) Terphenyl-d14	12.69	244	865030	11.98	ng	-0.02
Target Compounds						Qvalue
71) Phenanthrene	11.14	178	518561	4.292	ng	97
75) Fluoranthene	12.31	202	648957	5.383	ng	96
78) Pyrene	12.54	202	657548	5.571	ng	99
81) Benzo(a)anthracene	13.72	228	296121m	2.687	ng	
83) Chrysene	13.75	228	264952m	2.625	ng	
88) Benzo(b)fluoranthene	14.72	252	290626m	3.244	ng	
90) Benzo(a)pyrene	15.04	252	199430	2.470	ng	98

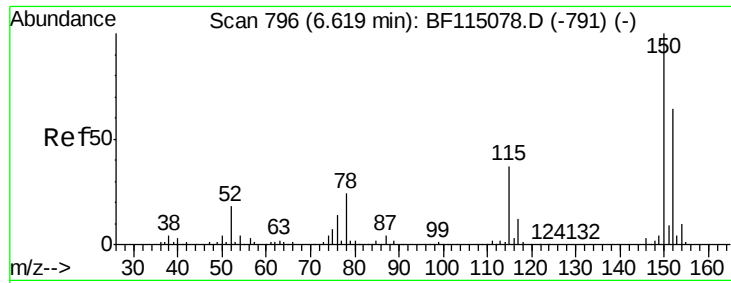
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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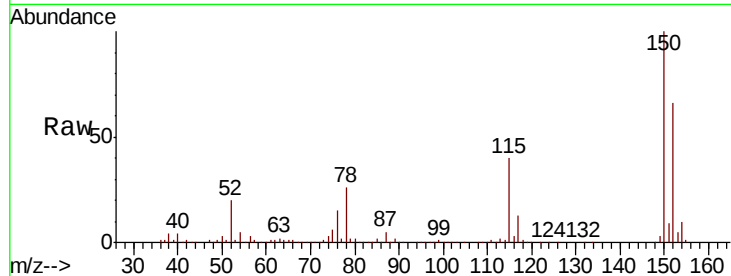


#1

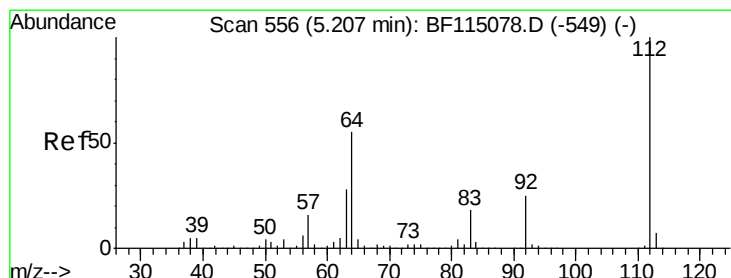
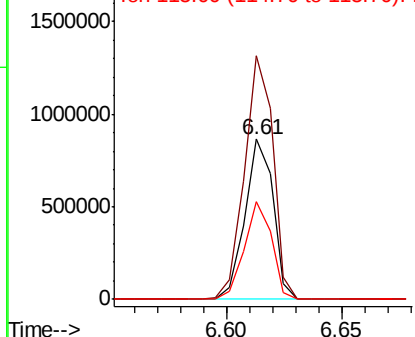
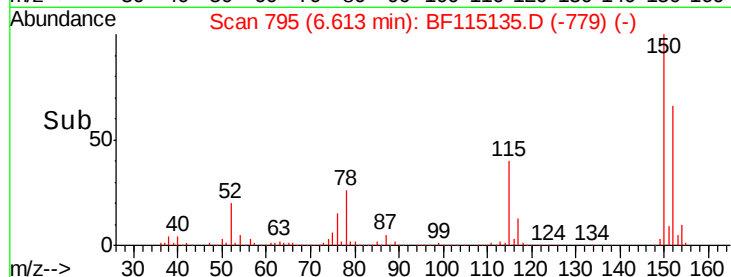
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.61 min Scan# 795
Delta R.T. -0.01 min
Lab File: BF115135.D
Acq: 22 Jun 2019 21:43

Instrument :
BNA_F
ClientSampleId :
OR-02-061919-A

Tot Ion:152 Resp: 739924
Ion Ratio Lower Upper
152 100
150 152.1 124.2 186.2
115 60.8 46.1 69.1



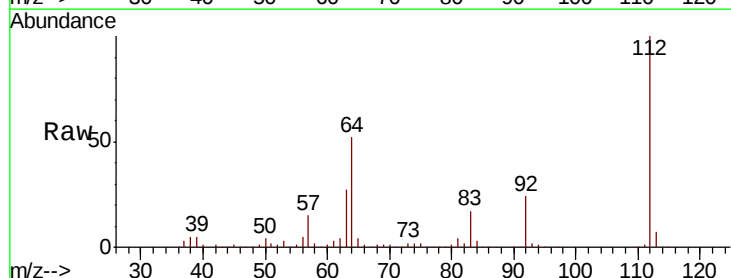
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



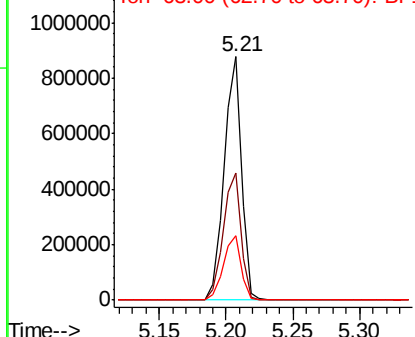
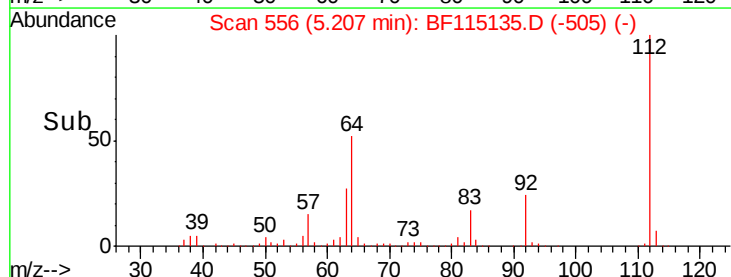
#5

2-Fluorophenol
Concen: 16.867 ng
RT: 5.21 min Scan# 556
Delta R.T. 0.00 min
Lab File: BF115135.D
Acq: 22 Jun 2019 21:43

Tgt Ion:112 Resp: 808735
Ion Ratio Lower Upper
112 100
64 52.4 43.8 65.6
63 26.5 22.2 33.4



Abundance Ion 112.00 (111.70 to 112.70): E
Ion 64.00 (63.70 to 64.70): BF1
Ion 63.00 (62.70 to 63.70): BF1





#7

Phenol-d6

Concen: 17.485 ng

RT: 6.24 min Scan# 732

Delta R.T. -0.01 min

Lab File: BF115135.D

Acq: 22 Jun 2019 21:43

Instrument :

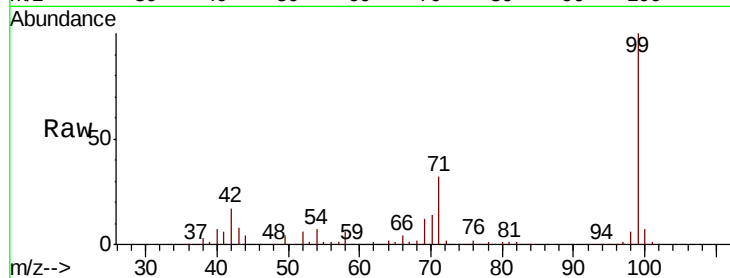
BNA_F

ClientSampleId :

OR-02-061919-A

Tot Ion: 99 Resp: 1017567

Ion	Ratio	Lower	Upper
99	100		
42	16.5	13.6	20.4
71	31.8	25.5	38.3

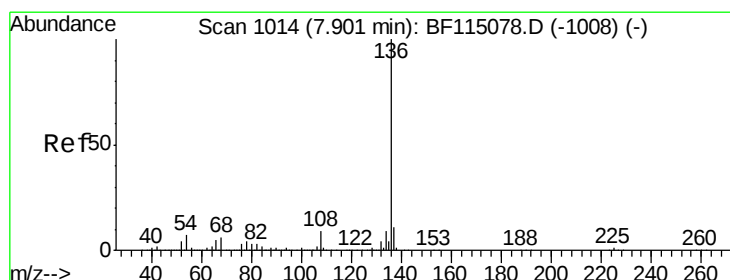
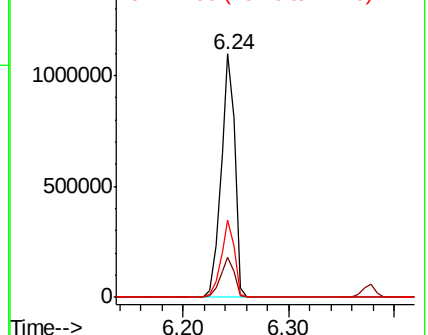
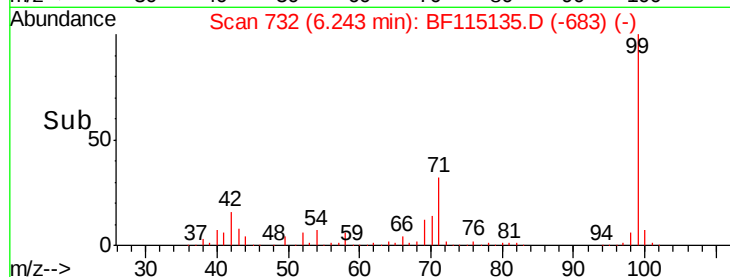


Abundance

Ion 99.00 (98.70 to 99.70): BF1

Ion 42.00 (41.70 to 42.70): BF1

Ion 71.00 (70.70 to 71.70): BF1



#21

Naphthalene-d8

Concen: 20.000 ng

RT: 7.90 min Scan# 1013

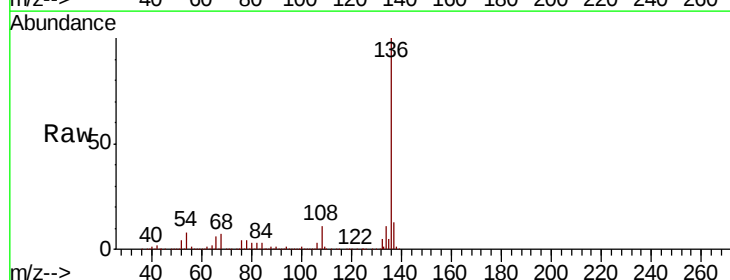
Delta R.T. -0.01 min

Lab File: BF115135.D

Acq: 22 Jun 2019 21:43

Tgt Ion: 136 Resp: 2658760

Ion	Ratio	Lower	Upper
136	100		
137	12.9	8.9	13.3
54	8.0	5.6	8.4
68	6.8	4.8	7.2



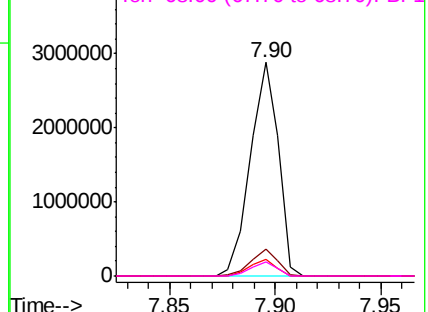
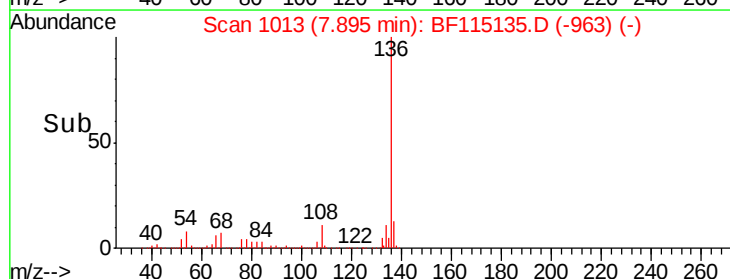
Abundance

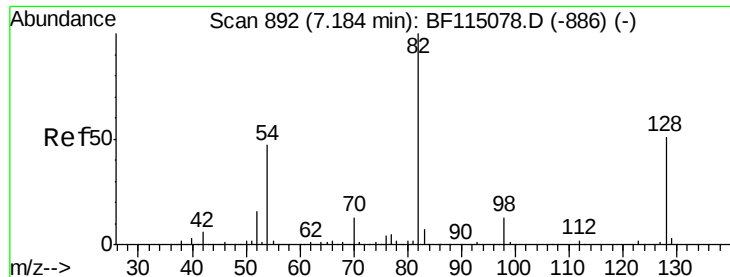
Ion 136.00 (135.70 to 136.70): E

Ion 137.00 (136.70 to 137.70): E

Ion 54.00 (53.70 to 54.70): BF1

Ion 68.00 (67.70 to 68.70): BF1

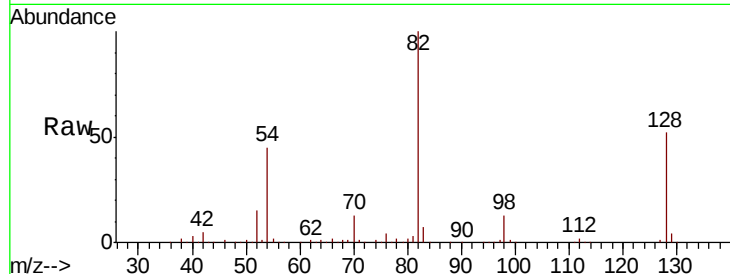




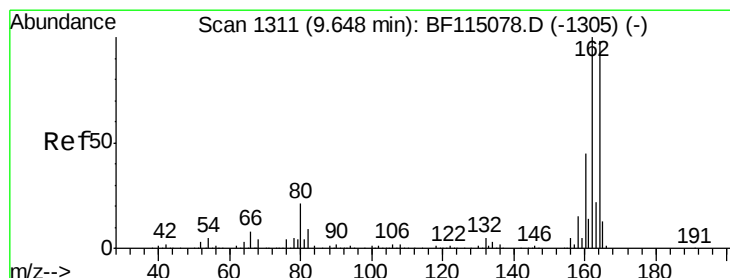
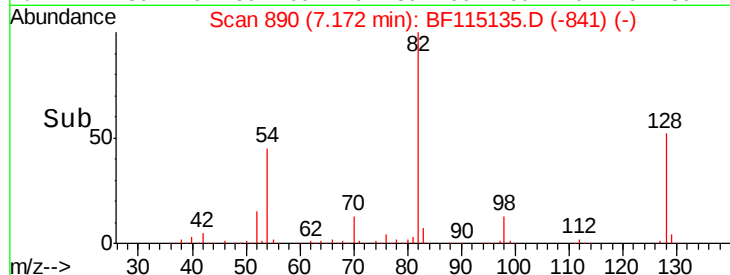
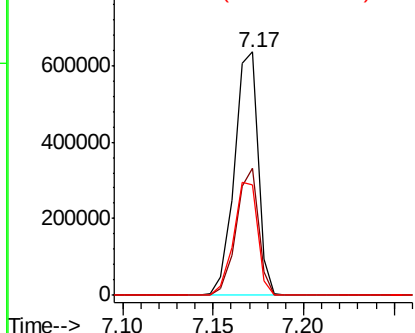
#23
 Nitrobenzene-d5
 Concen: 13.446 ng
 RT: 7.17 min Scan# 890
 Delta R.T. -0.01 min
 Lab File: BF115135.D
 Acq: 22 Jun 2019 21:43

Instrument :
 BNA_F
 ClientSampleId :
 OR-02-061919-A

Tot Ion: 82 Resp: 581164
 Ion Ratio Lower Upper
 82 100
 128 52.4 40.4 60.6
 54 45.2 37.5 56.3

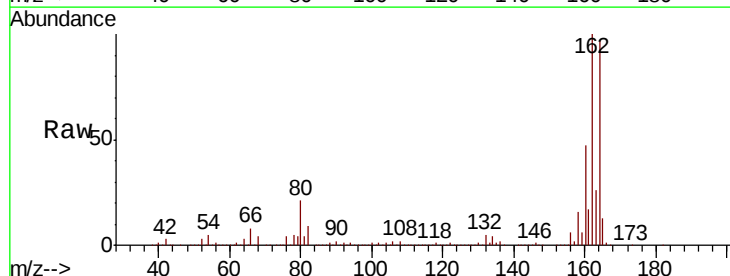


Abundance Ion 82.00 (81.70 to 82.70): BF1
 Ion 128.00 (127.70 to 128.70): BF1
 Ion 54.00 (53.70 to 54.70): BF1

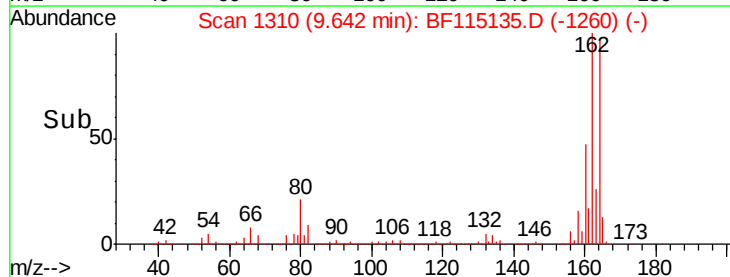
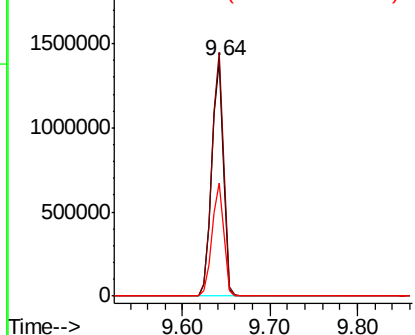


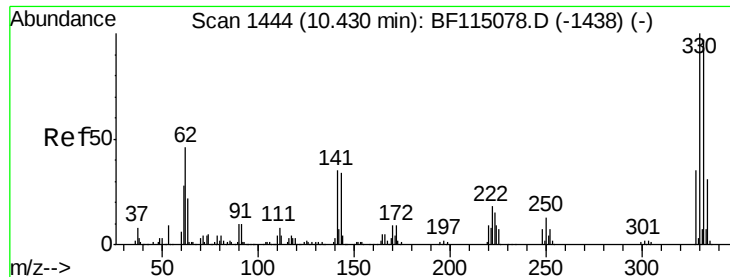
#39
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 9.64 min Scan# 1310
 Delta R.T. -0.01 min
 Lab File: BF115135.D
 Acq: 22 Jun 2019 21:43

Tgt Ion: 164 Resp: 1311437
 Ion Ratio Lower Upper
 164 100
 162 103.6 81.7 122.5
 160 48.4 37.0 55.4



Abundance Ion 164.00 (163.70 to 164.70): E
 Ion 162.00 (161.70 to 162.70): E
 Ion 160.00 (159.70 to 160.70): E

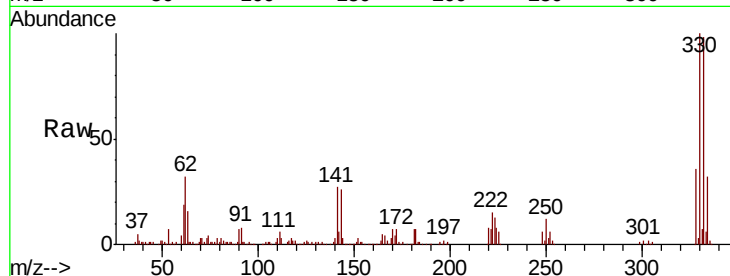




#42
 2,4,6-Tribromophenol
 Concen: 15.662 ng
 RT: 10.42 min Scan# 1442
 Delta R.T. -0.01 min
 Lab File: BF115135.D
 Acq: 22 Jun 2019 21:43

Instrument :
 BNA_F
 ClientSampleId :
 OR-02-061919-A

Tot Ion	Ratio	Lower	Upper
330	100		
332	96.6	77.3	115.9
141	34.2	28.2	42.2

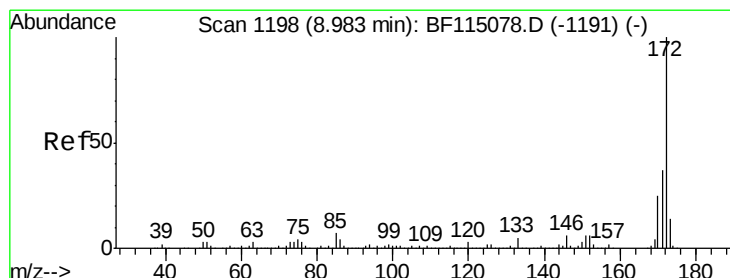
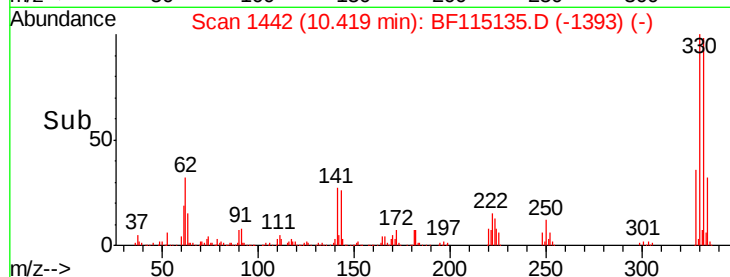
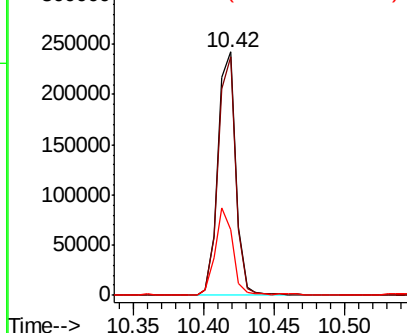


Abundance

Ion 329.80 (329.50 to 330.50): E

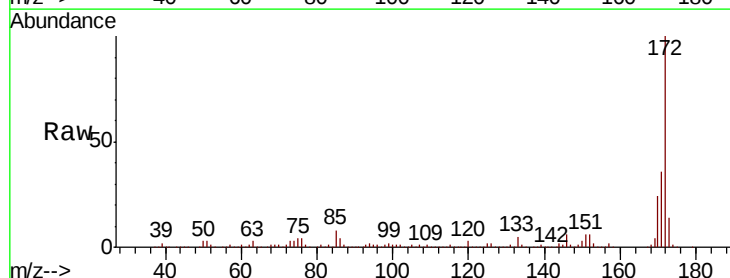
Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E



#45
 2-Fluorobiphenyl
 Concen: 13.823 ng
 RT: 8.97 min Scan# 1195
 Delta R.T. -0.02 min
 Lab File: BF115135.D
 Acq: 22 Jun 2019 21:43

Tgt Ion	Ratio	Lower	Upper
172	100		
171	35.7	29.8	44.6
170	24.3	20.3	30.5

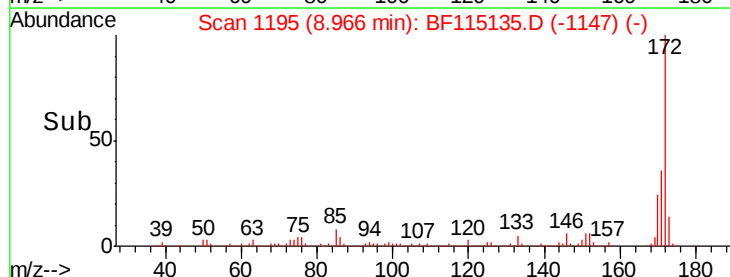
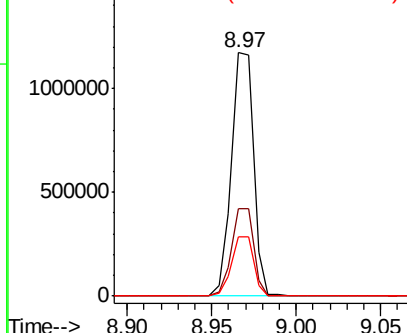


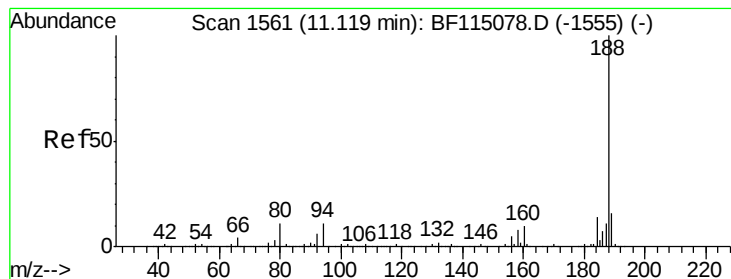
Abundance

Ion 172.00 (171.70 to 172.70): E

Ion 171.00 (170.70 to 171.70): E

Ion 170.00 (169.70 to 170.70): E





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.11 min Scan# 1560

Delta R.T. -0.01 min

Lab File: BF115135.D

Acq: 22 Jun 2019 21:43

Instrument :

BNA_F

ClientSampleId :

OR-02-061919-A

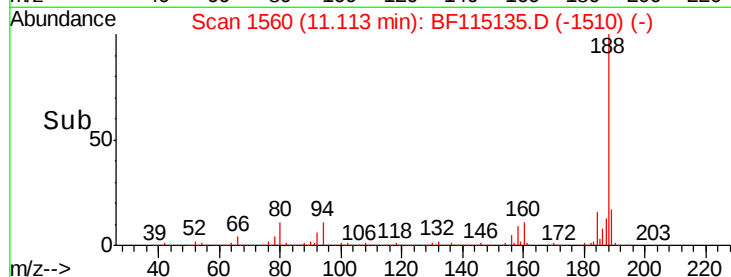
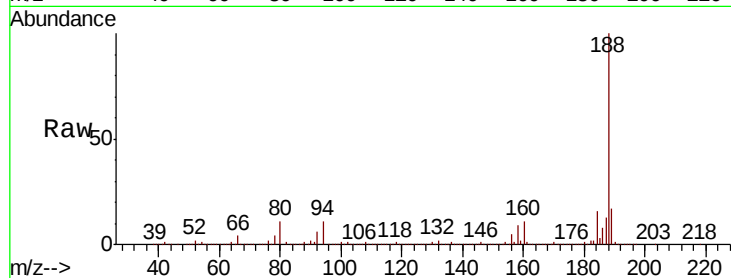
Tot Ion:188 Resp: 2244040

Ion Ratio Lower Upper

188 100

94 10.7 8.6 12.8

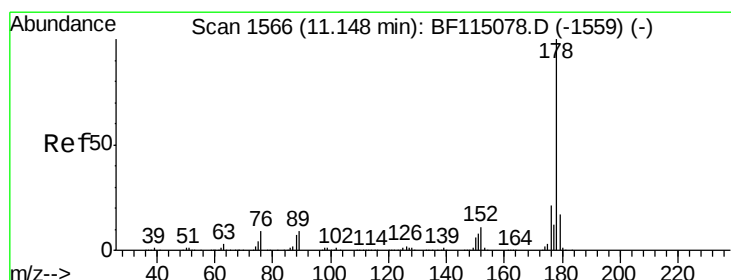
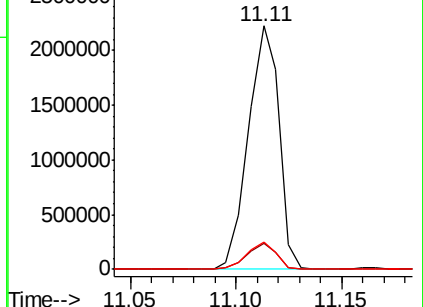
80 11.5 8.8 13.2



Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF1

Ion 80.00 (79.70 to 80.70): BF1



#71

Phenanthrene

Concen: 4.292 ng

RT: 11.14 min Scan# 1564

Delta R.T. -0.01 min

Lab File: BF115135.D

Acq: 22 Jun 2019 21:43

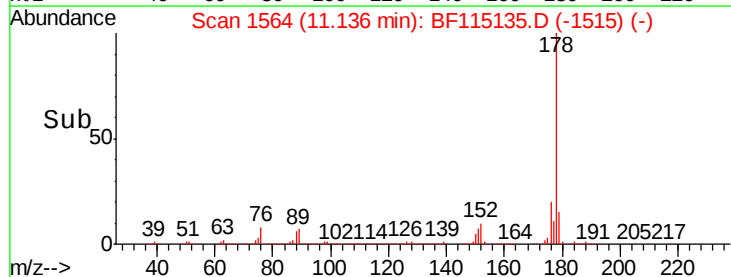
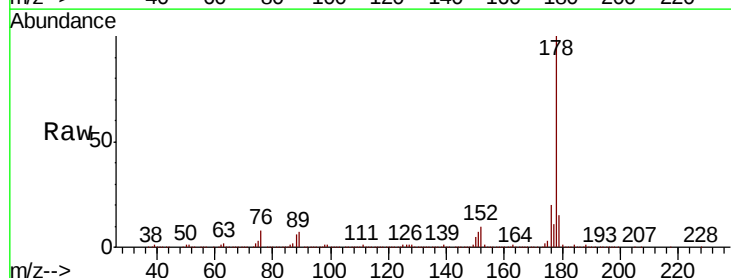
Tgt Ion:178 Resp: 518561

Ion Ratio Lower Upper

178 100

176 19.6 16.9 25.3

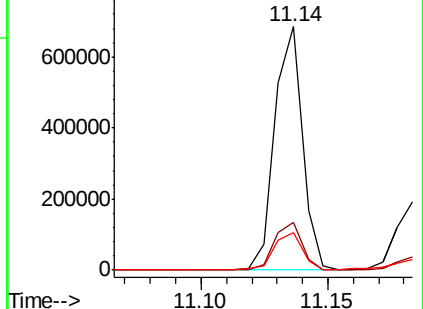
179 15.3 13.2 19.8

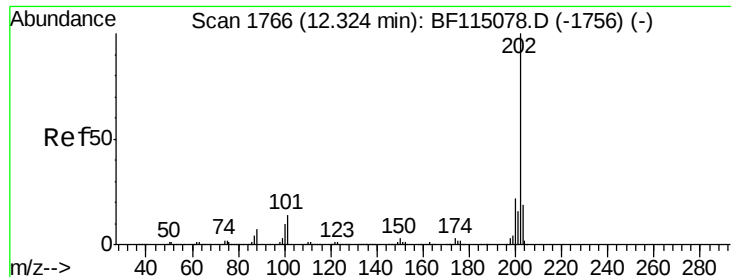


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





#75

Fluoranthene

Concen: 5.383 ng

RT: 12.31 min Scan# 1764

Delta R.T. -0.01 min

Lab File: BF115135.D

Acq: 22 Jun 2019 21:43

Instrument :

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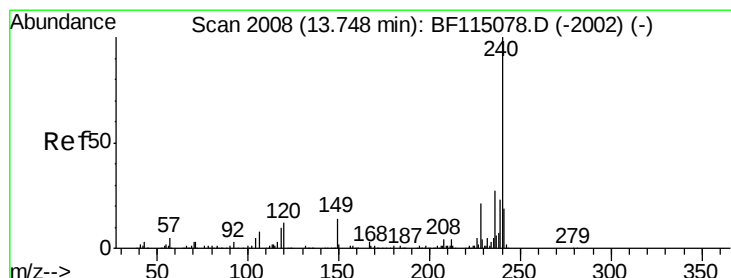
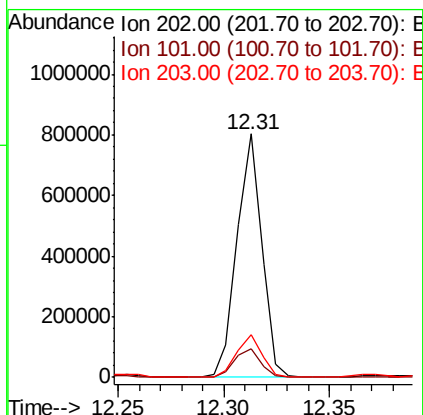
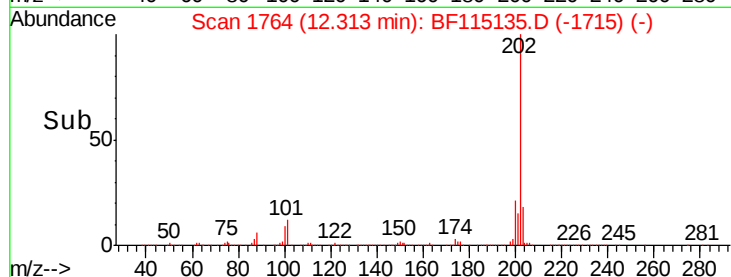
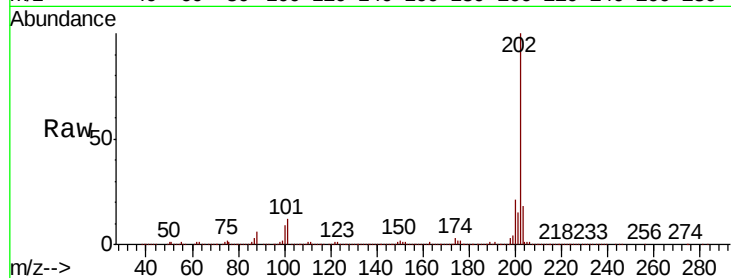
Tot Ion:202 Resp: 648957

Ion Ratio Lower Upper

202 100

101 11.9 0.0 34.0

203 17.7 0.0 38.8



#76

Chrysene-d12

Concen: 20.000 ng

RT: 13.74 min Scan# 2006

Delta R.T. -0.01 min

Lab File: BF115135.D

Acq: 22 Jun 2019 21:43

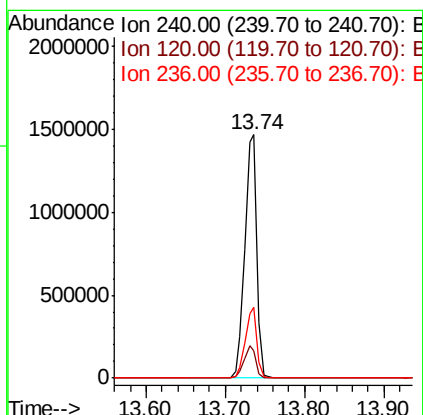
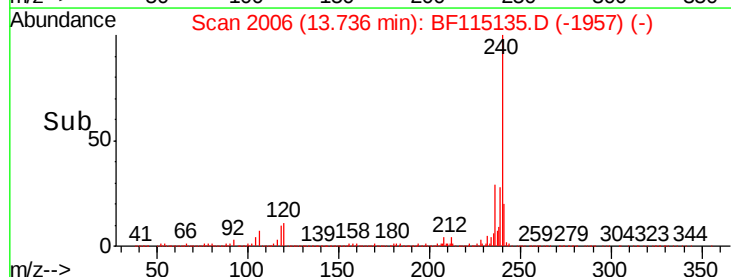
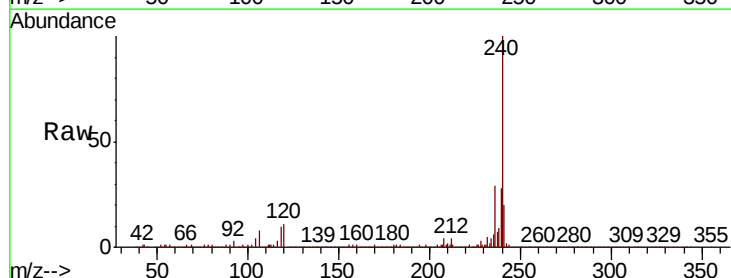
Tgt Ion:240 Resp: 1535751

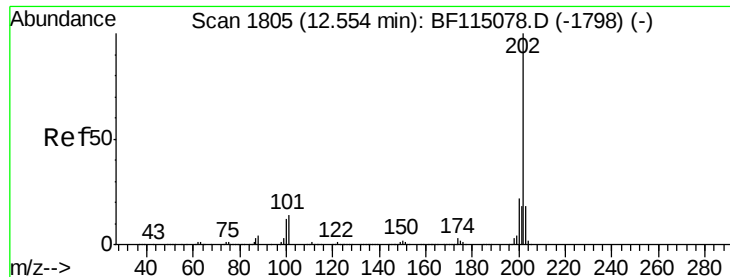
Ion Ratio Lower Upper

240 100

120 11.3 9.4 14.2

236 29.1 21.7 32.5





#78

Pvrene

Concen: 5.571 ng

RT: 12.54 min Scan# 1802

Delta R.T. -0.02 min

Lab File: BF115135.D

Acq: 22 Jun 2019 21:43

Instrument :

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ClientSampleId :

OR-02-061919-A

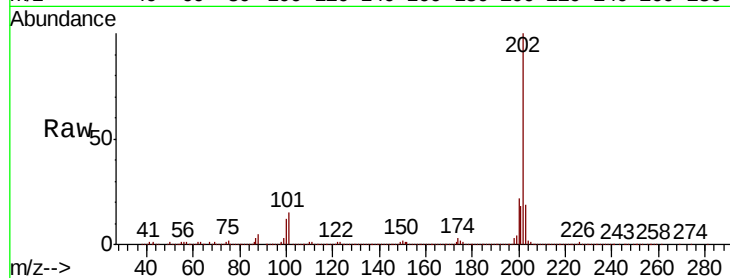
Tot Ion:202 Resp: 657548

Ion Ratio Lower Upper

202 100

200 21.9 17.9 26.9

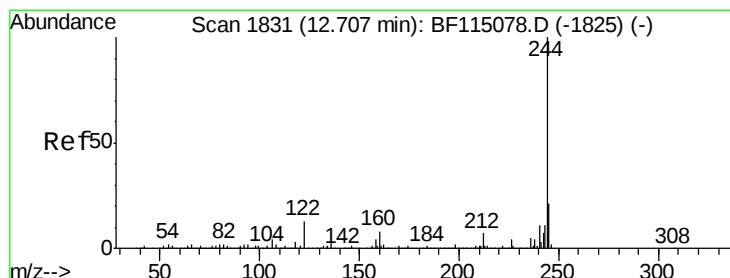
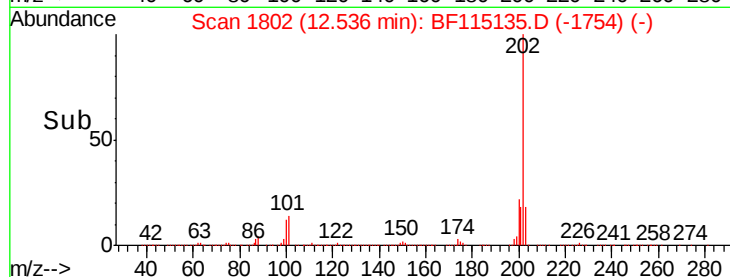
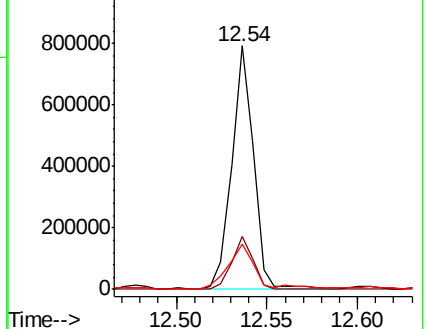
203 18.8 14.6 21.8



Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E



#79

Terphenyl-d14

Concen: 11.976 ng

RT: 12.69 min Scan# 1828

Delta R.T. -0.02 min

Lab File: BF115135.D

Acq: 22 Jun 2019 21:43

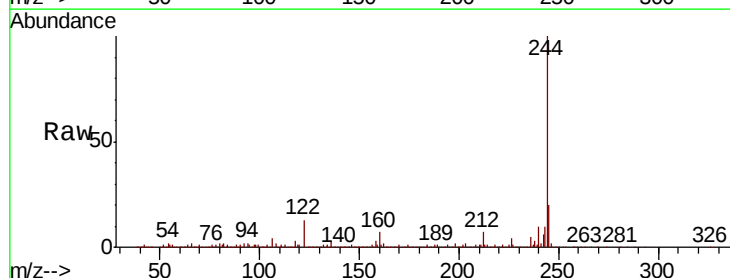
Tgt Ion:244 Resp: 865030

Ion Ratio Lower Upper

244 100

212 6.7 5.8 8.6

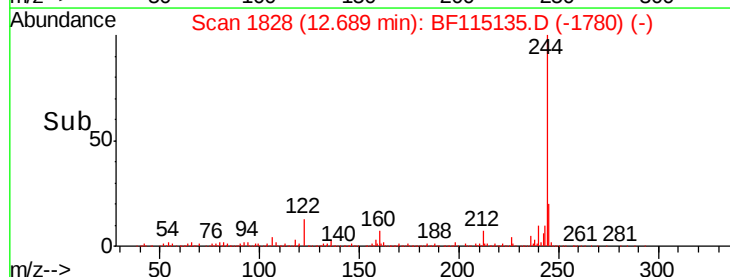
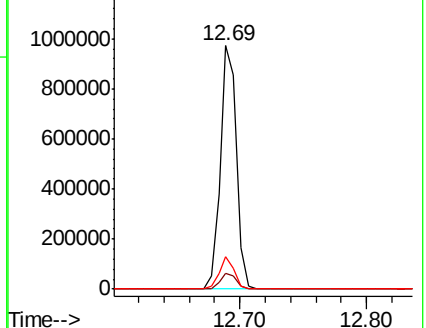
122 13.1 10.4 15.6

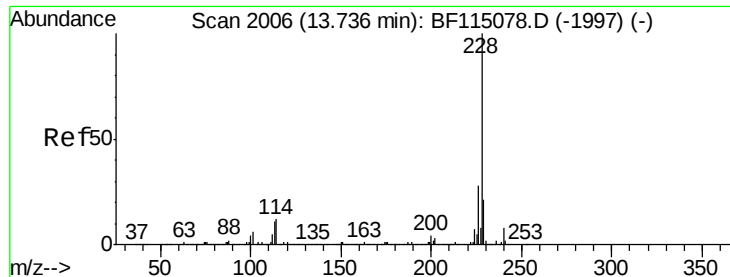


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E

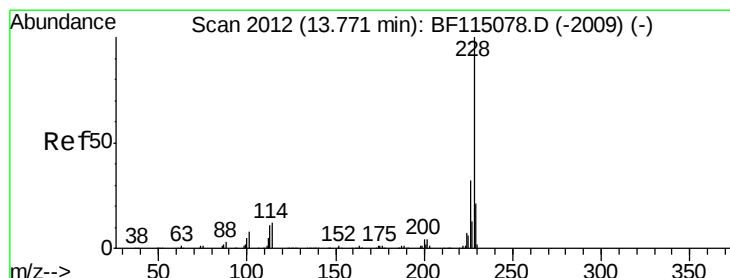
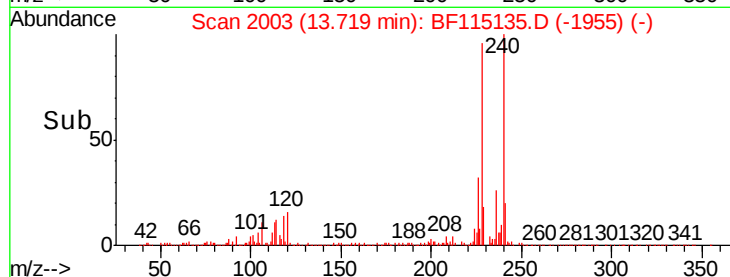
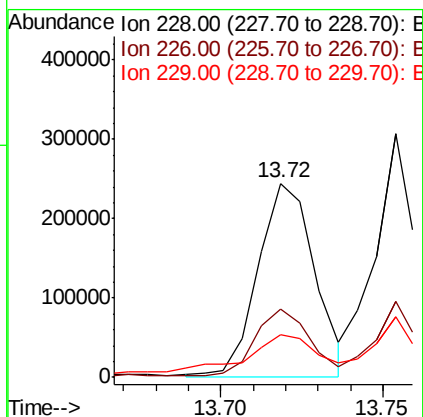
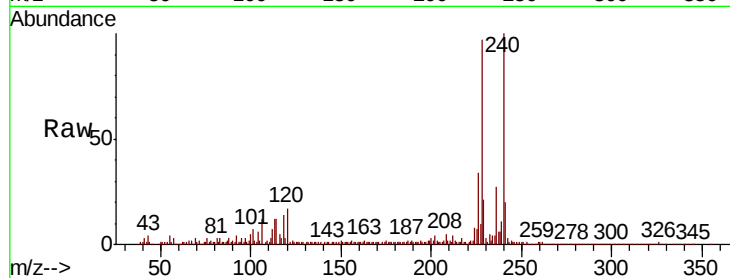




#81
Benzo(a)anthracene
Concen: 2.687 ng m
RT: 13.72 min Scan# 2003
Delta R.T. -0.02 min
Lab File: BF115135.D
Acq: 22 Jun 2019 21:43

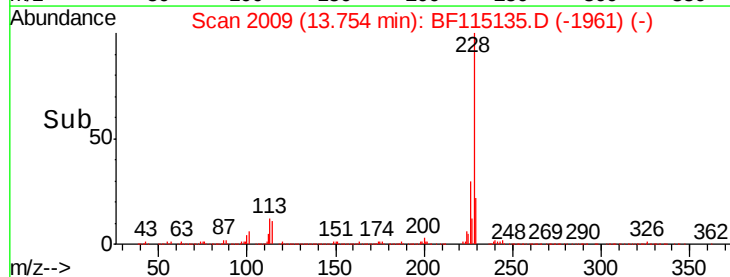
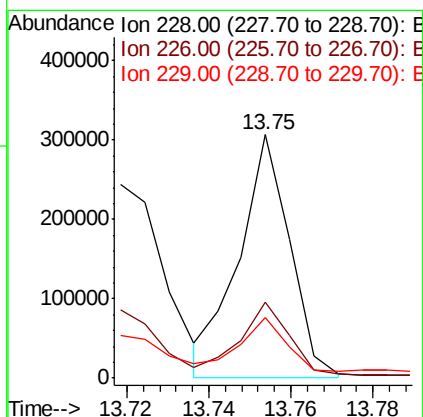
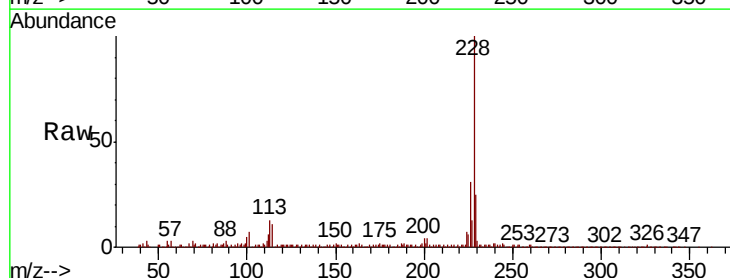
Instrument :
BNA_F
ClientSampleId :
OR-02-061919-A

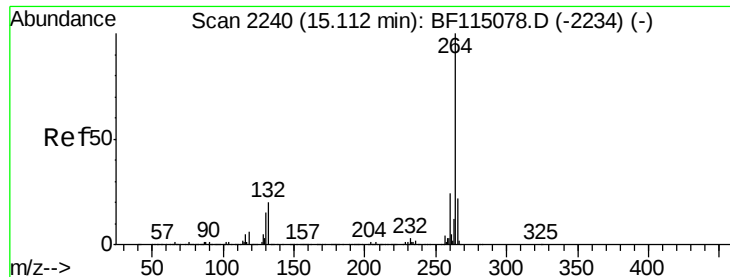
Tot Ion:228 Resp: 296121
Ion Ratio Lower Upper
228 100
226 35.2 22.5 33.7#
229 21.8 16.6 24.8



#83
Chrysene
Concen: 2.625 ng m
RT: 13.75 min Scan# 2009
Delta R.T. -0.02 min
Lab File: BF115135.D
Acq: 22 Jun 2019 21:43

Tgt Ion:228 Resp: 264952
Ion Ratio Lower Upper
228 100
226 31.4 25.4 38.0
229 24.8 16.5 24.7#





#87

Pervlene-d12

Concen: 20.000 ng

RT: 15.10 min Scan# 2238

Delta R.T. -0.01 min

Lab File: BF115135.D

Acq: 22 Jun 2019 21:43

Instrument :

BNA_F

ClientSampleId :

OR-02-061919-A

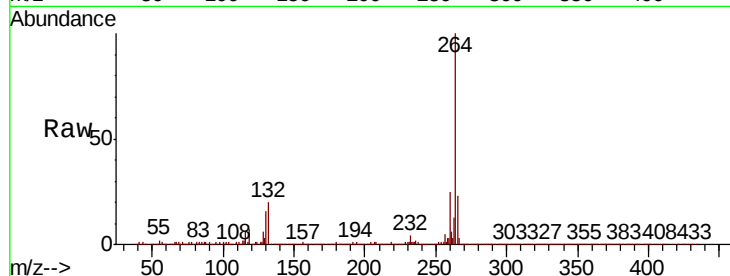
Tot Ion:264 Resp: 1435657

Ion Ratio Lower Upper

264 100

260 25.4 19.6 29.4

265 22.9 17.3 25.9

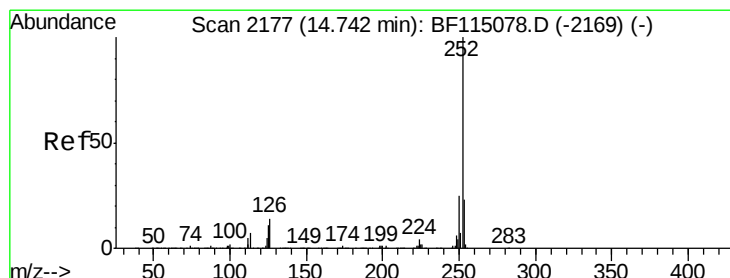
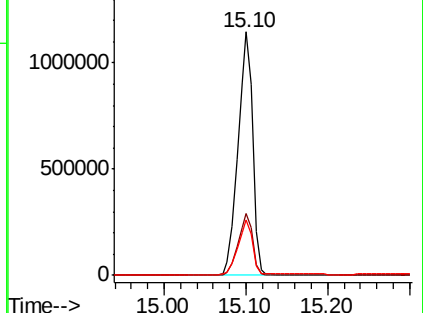
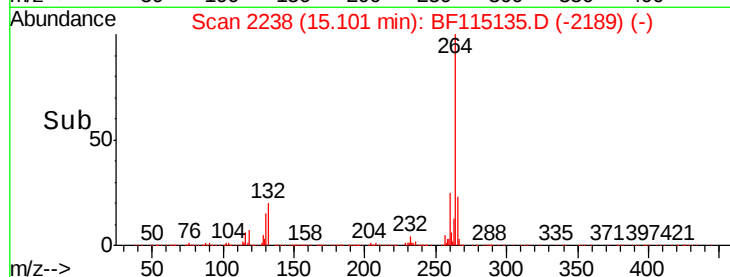


Abundance

Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E



#88

Benzo(b)fluoranthene

Concen: 3.244 ng m

RT: 14.72 min Scan# 2173

Delta R.T. -0.02 min

Lab File: BF115135.D

Acq: 22 Jun 2019 21:43

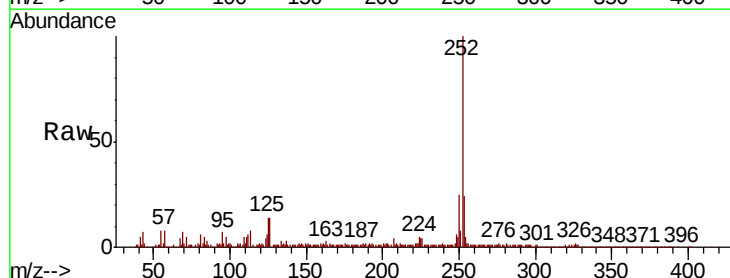
Tgt Ion:252 Resp: 290626

Ion Ratio Lower Upper

252 100

253 23.8 18.1 27.1

125 14.0 8.7 13.1#

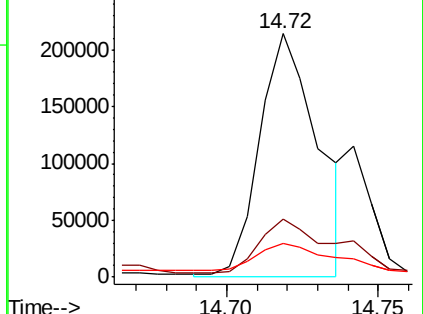
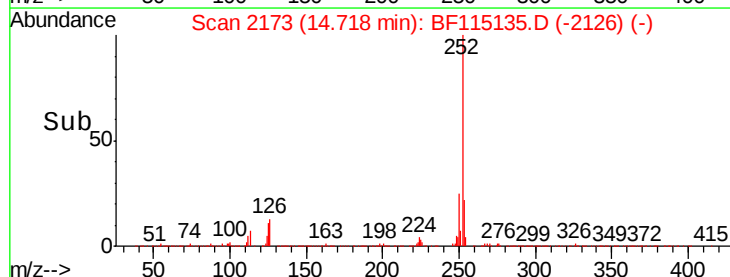


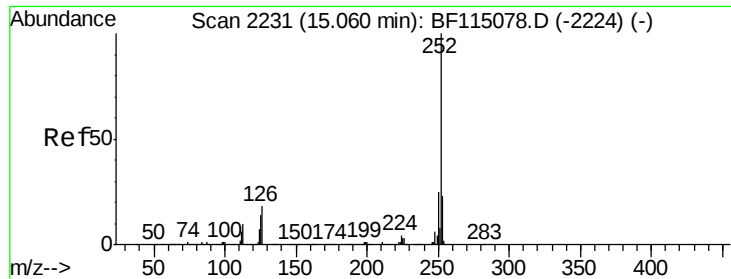
Abundance

Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#90

Benzo(a)pyrene

Concen: 2.470 ng

RT: 15.04 min Scan# 2227

Delta R.T. -0.02 min

Lab File: BF115135.D

Acq: 22 Jun 2019 21:43

Instrument :

BNA_F

ClientSampleId :

OR-02-061919-A

Tot Ion: 252 Resp: 199430

Ion Ratio Lower Upper

252 100

253 24.1 18.3 27.5

125 13.8 10.9 16.3

